

# NEURO TRONIC – Electromechanical Stance Phase Control



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## For Custom-Made Orthoses

Standing and walking normally are possible again thanks to the electromechanical stance phase control.

The orthotic joint already secures the knee before contact with the ground during the load in stance phase and releases it again in swing phase.

## Safe in Every Situation

The orthotic joint secures the knee at any knee angle and thus provides safety in any situation - even on uneven ground and slopes.

## 3 Adjustment Options using Remote Control, Smartphone (iOS/Android) or Apple Watch:

- Auto – automatically free moving/locked, electromechanical
- Free – permanently free moving, electromagnetic
- Lock – permanently locked, mechanical

## 2 Adjustment Options using the Lever:

- Auto – automatically free moving/locked, electromechanical
- Free – Setting for situations in which the joint should be permanently free moving, e.g. when driving or cycling, or as an energy-saving function

## Watch Function Video



Scan the QR code for more information



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## Easy and Safe

- Natural gait. Slow or fast, but most importantly safe walking even when alternating between short and long steps.
- Compact and lightweight. The system knee joint can be comfortably worn under the trousers and offers a high level of wearing comfort.
- Easy handling. The **NEURO TRONIC** can be operated with the remote control and, after downloading the User app, with a smartphone (iOS or Android) or Apple Watch.
- Permanently locked. The system joint can be permanently locked in case of increased safety requirements. The **NEURO TRONIC** can also be permanently unlocked for activities (e.g. cycling).
- High performance rechargeable battery. An orthosis with the **NEURO TRONIC** system knee joint can be used all day without any problems.

In Free mode: 40 hours. In Auto mode: 42,000 strides (marathon).  
The use in Lock mode does not require power.



“ My entire body posture has improved. And so has my quality of life. ”

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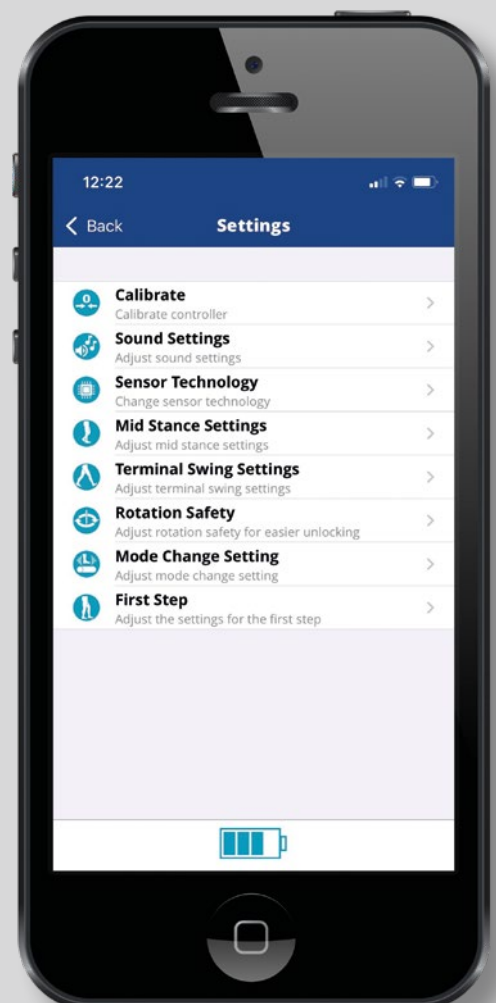
## Easy Orthosis Production

No certification required. The system knee joint can be mounted in your own workshop without additional training.

- Unilateral treatment without supporting joint possible. This enables the production of an orthosis with the best possible function and the least material usage.
- Easy mounting in the orthosis. As always, the orthosis is produced according to the proven FIOR & GENTZ production technique.

## Individual Adjustment Options

- Expert app. Enables the orthotist, for example in the workshop, to conveniently adjust extensive settings on an unlimited number of **NEURO TRONIC** system joints using a tablet or smartphone (iOS/Android).



FIOR & GENTZ Expert app



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**NEURO TRONIC —**  
**Different Joint Sizes for a Perfect Fit**





# NEURO TRONIC — The Orthosis Control

## Intelligent Motion Sensors

The controller of the orthosis has motion sensors that detect the lower leg's movements and can tell if the user is standing or walking.

The control immediately reacts to changes in walking speed and step length.

## Lightweight, Flat and Compact

The new controller is divided into two parts via a jointed connection and can thus be mounted anatomically and discreetly in the lower leg shell.

## Various Operating Options

Using the User app on smartphone (iOS/Android), smartwatch app or Bluetooth remote control



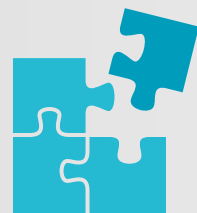
# NEURO TRONIC

A stylized graphic element consisting of a blue, curved, jagged shape resembling a gear or a wing, positioned to the right of the text 'NEURO TRONIC'.

Would you like to produce an orthosis with a  
**NEURO TRONIC** system knee joint for your patient?

Use the Orthosis Configurator to independently select the necessary system components for an orthosis with the **NEURO TRONIC**.

The Orthosis Configurator determines the appropriate system components for your patient by taking the patient data and the load capacity into account.



Orthosis  
Configurator

[www.orthosis-configurator.com](http://www.orthosis-configurator.com)